

the second disease-related mapping function is determined by training the machine learning system based on a second set of training data.

**13.** The method of claim **12**, wherein at least one of the machine learning system, the first disease-related mapping function and the second disease-related mapping function is based on an artificial neural network.

**14.** The method of claim **13**, wherein the artificial neural network includes a convolutional neural network.

**15.** The method of claim **3**, wherein at least one of the first disease-related mapping function is determined by training a machine learning system based on a first set of training data, and

the second disease-related mapping function is determined by training the machine learning system based on a second set of training data.

**16.** The method of claim **15**, wherein at least one of the machine learning system, the first disease-related mapping

function and the second disease-related mapping function is based on an artificial neural network.

**17.** The method of claim **16**, wherein the artificial neural network includes a convolutional neural network.

**18.** A non-transitory computer program product storing a computer program, the computer program being loadable into a memory unit of a data processing system and including program code sections to enable the data processing system to execute the method of claim **2** when the computer program is executed in the data processing system.

**19.** A non-transitory computer-readable medium, storing program code sections of a computer program, the program code sections being at least one of loadable into and executable in a data processing system to enable the data processing system to execute the method of claim **2** when the program code sections are executed in the data processing system.

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